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TITLE: CONTROL METHOD FOR PROGRAM AT THE TIME OF FILE
DOWNLOADING

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a method with which the waiting time of a user is effectively utilized by executing the application of a game, an advertisement and a questionnaire, etc., at the same time, while executing file downloading and the cost burdens of the user such as a communication cost and an information service charge are reduced by an advertiser or the like sharing the cost burden by advertisement display or the like.

SOLUTION: When a download processing is started through a network, the application (game, advertisement and questionnaire, etc.), is activated and the application is executed while the download processing is performed. At the time of starting the download processing, download time is predicted by calculation of the file size of a download file and the channel speed of the network, application software suited to the predicted time value of the download time is selected from a plurality of the application software provided beforehand corresponding to the predicted download time and the selected

application software is executed. The executed result of the application executed during downloading is transmitted to an application software management source or the management source of the download file.

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DERWENT-ACC-NO: 2004-288879

DERWENT-WEEK: 200427

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TITLE: Connection service selection assistance system for
downloading data file, displays estimated time and
communication charges for each connection services,
according to content and capacity of data file

----- KWIC -----

Basic Abstract Text - ABTX (1):

NOVELTY - A calculation unit estimates the required time and communication charges charged by different connection services, according to content and capacity of data file to be downloaded. The estimated data are displayed on a user screen (222). The data file is downloaded using the service selected by user based on displayed data.

DERWENT-ACC-NO: 2003-073494

DERWENT-WEEK: 200307

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TITLE: Advertisement display method in wireless mobile terminal
using file downloading time

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Basic Abstract Text - ABTX (1):

NOVELTY - An advertisement display method in a wireless mobile terminal using a file downloading time is provided to reproduce and screen-output an advertisement message close to the time required for the downloading downloading a high capacity file to a wireless mobile terminal.

Basic Abstract Text - ABTX (2):

DETAILED DESCRIPTION - When a mobile terminal accesses an Internet network and selects a desired file from a site holding various file(S10), a file select signal is transmitted to a Web server. The Web server transmits a message requesting a confirmation for downloading a data on the basis of the file select signal, and the confirmation request message is inputted to a controller. The controller displays the confirmation request message content on a display unit. When the user clicks 'OK' over the text content displayed on the display unit, the OK click signal is transmitted to the Web server. The Web server fetches the user's desired file from the site and transmits it to a mobile communication network(S12). The file is stored in a memory unit and the controller calculates a time required for downloading it in consideration of the size of the file and the speed of the current downloading(S14). The controller extracts an advertisement message having a reproduction time most close to the calculated time required for downloading among various advertisement message. The controller transmits the advertisement message to a reproduction processing unit and the reproduction processing reproduces the advertisement message and displays it on the display unit. Accordingly, the advertisement is displayed on the display unit.

DERWENT-ACC-NO: 2003-374863

DERWENT-WEEK: 200336

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TITLE: File download time utilization control method involves
selecting application software based on predicted
download time of file for execution

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Basic Abstract Text - ABTX (1):

NOVELTY - An application such as a game, advertisement or questionnaire, is executed during downloading of a file. The download time is predicted by calculating the size of the downloaded file and the channel speed of the network. An application software is selected based on the predicted download time, and executed. The executed result is transmitted to an application software management source.

Basic Abstract Text - ABTX (4):

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the file download time control method. (Drawing includes non-English language text).